

NEIGHBORS HELPING NEIGHBORS

Our Nation Responds

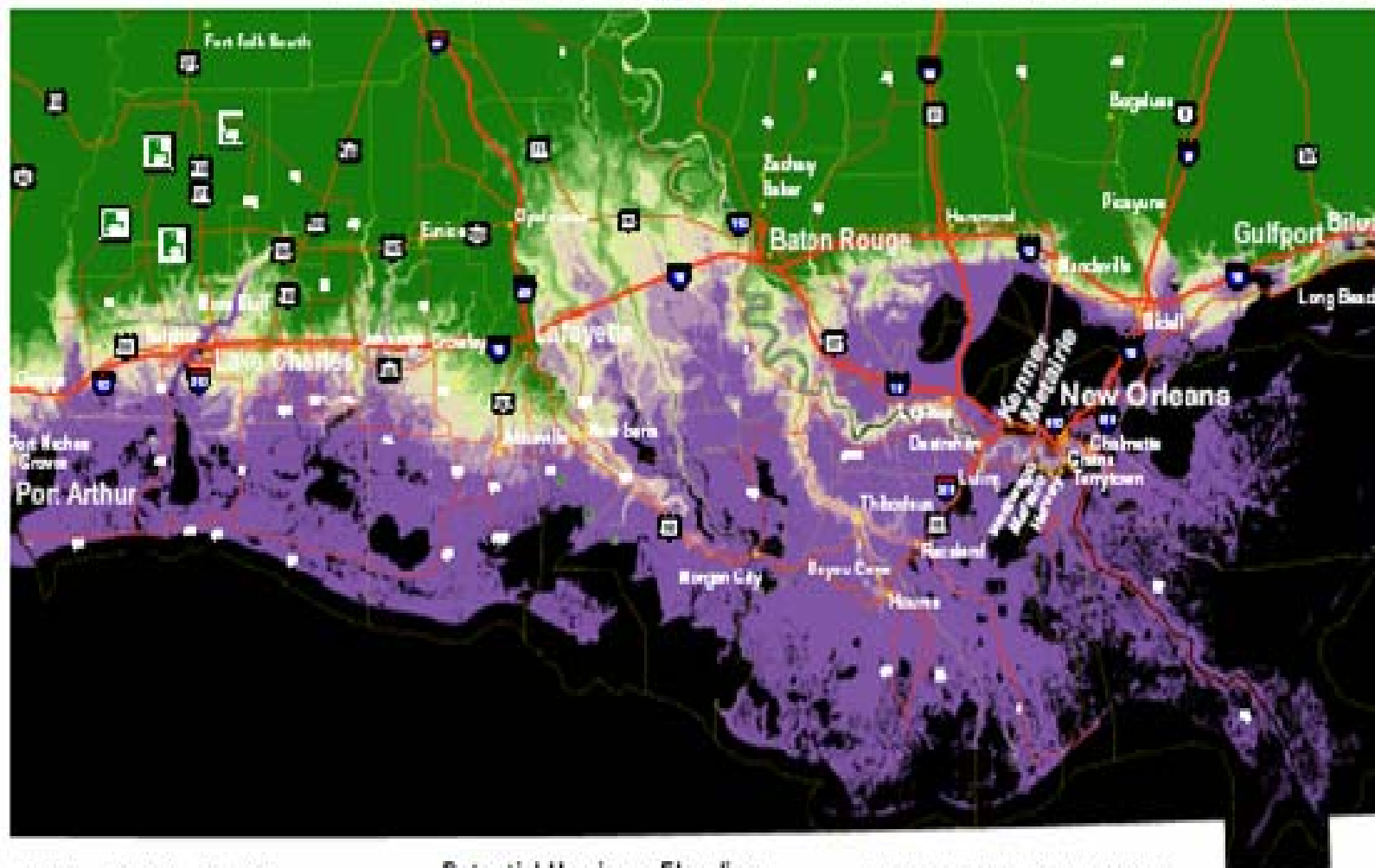
Hurricanes
Katrina & Rita
2005



Coastal Louisiana Land Surface Elevation



by James E. Stoltz
Information Technology Section



Legend

Cities

2000 Census Population

- 1000 - 10000
- 10001 - 20000
- 20001 - 100000

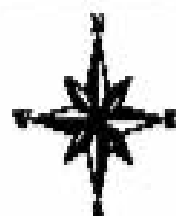
Elevation

Mean Sea Level

- Above 30 Feet
- 26 - 30 Feet
- 21 - 25 Feet
- 16 - 20 Feet
- 11 - 15 Feet
- 6 - 10 Feet
- 1 - 5 Feet
- 0 or Lower

- Interstate Highway
- US Highway
- LA Route
- Pontchartrain Causeway
- Parish Boundary

10 5 0 10 20 30 40
Miles



Potential Hurricane Flooding

- Category 5
- Category 4 - Category 5
- Category 3 - Category 4
- Category 2 - Category 3
- Category 1 - Category 2

Hurricane Storm Surge Height

| Category | Wind Speed | Storm Surge |
|----------|---------------|--------------|
| 5 | >155 mph | >18 feet |
| 4 | 130 - 155 mph | 12 - 18 feet |
| 3 | 110 - 130 mph | 9 - 12 feet |
| 2 | 95 - 110 mph | 6 - 9 feet |
| 1 | 74 - 95 mph | 4 - 6 feet |

(Based on Saffir-Simpson Hurricane Scale)



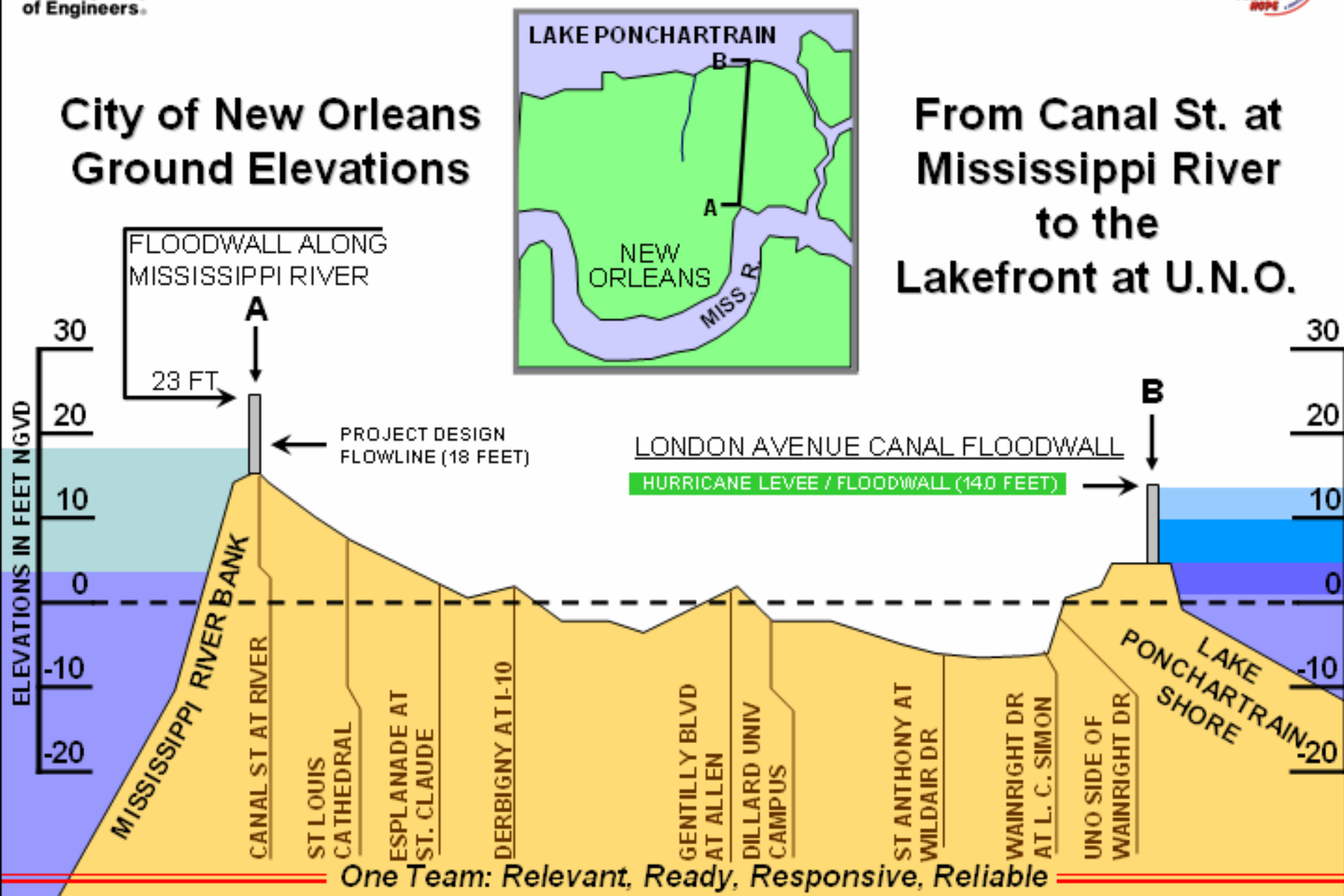
US Army Corps
of Engineers

New Orleans Topography



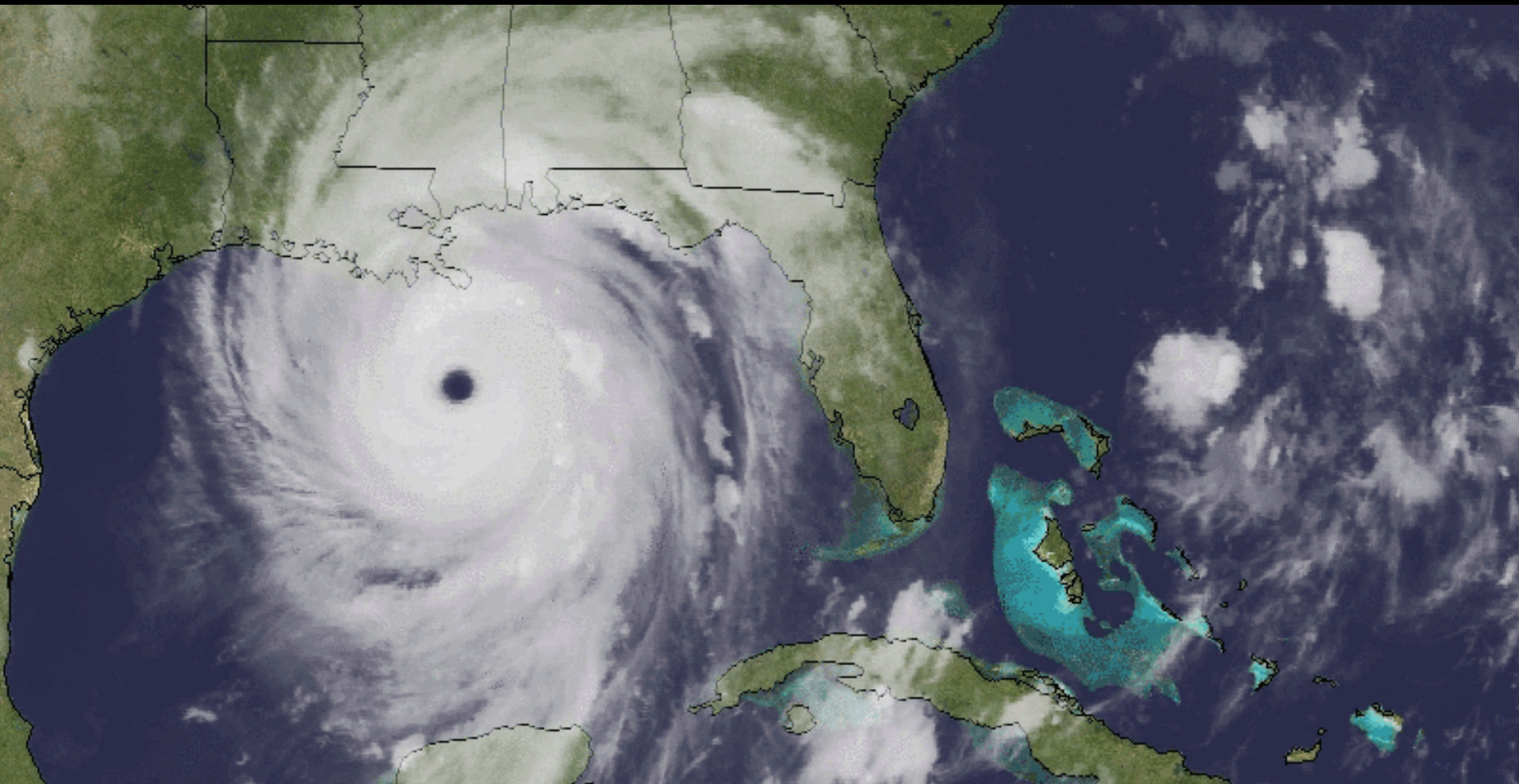
City of New Orleans Ground Elevations

From Canal St. at
Mississippi River
to the
Lakefront at U.N.O.



One Team: Relevant, Ready, Responsive, Reliable

Hurricane Katrina



August 2005

New Orleans

Before Katrina



After Katrina



VIDEO

CNN LEVEE WORRIES

12:21pET

live today

MAGNAVOX

NEW ORLEANS

- Levees and flood walls
- Levee breach
- Points of interest
(Roll-over each icon)



CREDITS: GOOGLE EARTH; U.S. ARMY CORPS OF ENGINEERS; AP

Levee system and breaches.



Rising flood waters engulf the streets of New Orleans.



At one time, traveling by boat was the only way to move through the city.



September 3: Flood waters still surround the Superdome.



The roof was compromised with thousands seeking shelter inside.



The people of Louisiana prepared for the worst...



August 29: Hurricane Katrina strikes





August 29: Hurricane Katrina sweeps through historic Jackson Barracks...



the Library at Jackson Barracks ...



the Main Exchange...



...and the museum.





HOMES FLOATED OVER THE 10FT SECURITY WALLS OF JACKSON BARRACKS



Louisiana National Guard search and rescue teams were launched.



August 29: As the water rose...



August 29: House to house...



**August 29, St. Bernard Parish.
Neighbors helping neighbors.**



Belle Chasse Naval Air Station became the staging area for troops, vehicles, air support, rations, water and supplies.



Task Force Belle Chasse remained in place during Hurricane Rita to ensure a prompt response.



and occasionally had time for rest.



conducted the largest domestic airlift operation in U.S. history...



ST. BERNARD PARISH

02 SEP 2005





September 8: Water slowly drains from downtown New Orleans...



ST. Bernard Parish lost 120 out 132 Patrol cars



and all of their Fire Engines.



An estimated 350,000 homes were destroyed.



Leaving reminders at every step.



Orleans Parish two weeks after Hurricane Katrina.

Haz Mat Dangers





Lower 9th Ward after Hurricane Katrina.



Receding water reveals the levee breach.

INDUSTRIAL CANAL LEVEE BREACH LOWER 9TH WARD





The biggest tasks still lay ahead.



Unyielding...



Guardsmen marked houses that had been cleared...





St. Bernard Parish after Hurricane Katrina swept ashore.



Finally, flooding began to recede in most areas.



Indiscriminate...



As many returned...



they found little left of their homes.

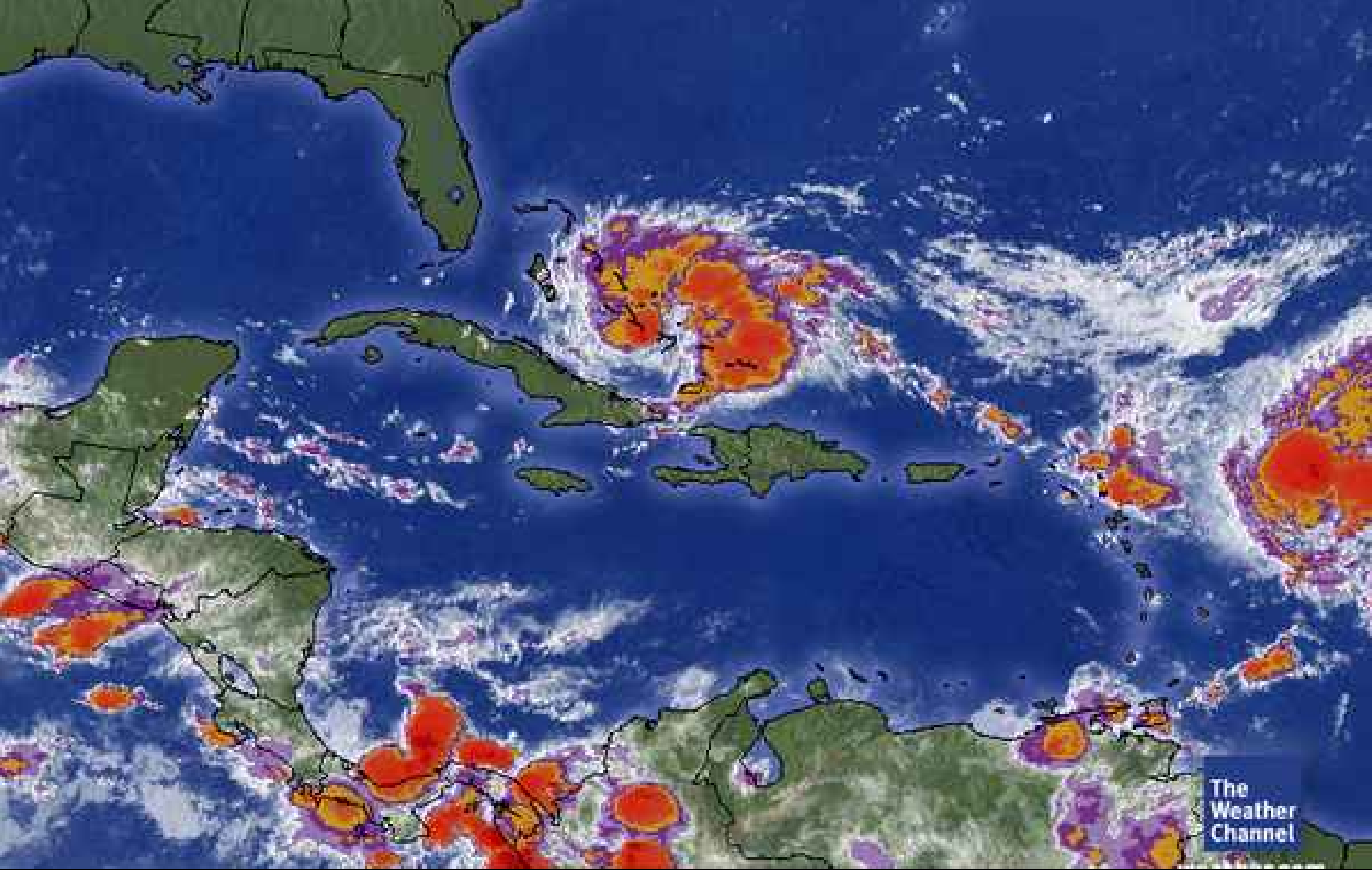


Plaquemines Parish



Katrina had her eye on this Parish...





...and then came "Rita"



September 23: As Hurricane Rita made her presence known, National Guardsmen from Task Force Belle Chasse took precautionary measures.



Southwest Louisiana



Downtown Cameron: Destroyed



Industry: Demolished



Communities: Erased



August 28: More than 4,000 Louisiana National Guardsmen were activated prior to Hurricane Katrina making landfall. Hundreds assisted at the Superdome.



National Guardsmen helped with the arrival of displaced citizens.



Air National Guard units evacuate those with medical needs to care facilities around the country.



September 23: As Rita approached, the industrial canal levee failed, flooding the 9th Ward ...again.



**Rita flooded neighborhoods that
Hurricane Katrina flooded weeks earlier.**





Bakery & Deli

THANK
IDAHO
GUARD

YOU
NATIONAL
BRAVO
CO

KATRINA STORM SURGE

